

# Converting Colors

XYZ(44.2169, 23.8517, 39.9412)

Have a look what the booklet for  
XYZ(44.2169, 23.8517, 39.9412)  
contains.

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# Color

**XYZ(44.0311, 23.7615,  
39.8018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF35A9
RGB	239, 53, 169
RGB Percent	94%, 21%, 66%
CMY	0.0627, 0.7921, 0.3373
CMYK	0.00, 0.78, 0.29, 0.06
HSL	323°, 85%, 57%
HSV	323°, 78%, 94%
XYZ	44.0311, 23.7615, 39.8018
YIQ	121.8380, 73.6200, 75.5080

# Conversions

## Conversions Part 2

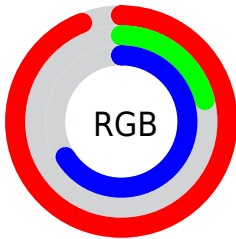
Format	Color
R <sub>Y</sub> B	239, 53, 169
Decimal	15676841
CIE Lab	55.85, 77.19, -19.13
CIE LCh	56, 79.524, 346.083
Yxy	23.7615, 0.4092, 0.2208
Android (android.graphics.Color)	4293866921 (0xFFEF35A9)
YUV	121.8380, 23.2509, 102.7511
Hunter-Lab	48.7458, 75.9305, -14.2893

# Details

The XYZ color **44.0311, 23.7615, 39.8018** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **35.9114, 63.9207, 29.1885**, and the grayscale version is **18.3578, 19.3138, 21.0327**.

A 20% lighter version of the original color is **61.1730, 39.5987, 74.9401**, and **21.5710, 10.7493, 17.7675** is the 20% darker color. If you saturate the color by 10%, you get **42.3844, 21.7733, 35.2288**, and if you desaturate by 10%, it is **46.2799, 26.8606, 44.8625**.

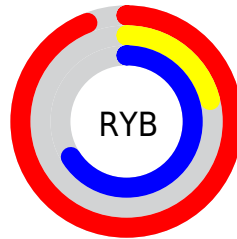
# Distribution



Red (94%)

Green (21%)

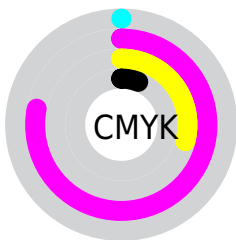
Blue (66%)



Red (94%)

Yellow (21%)

Blue (66%)

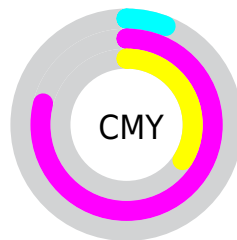


Cyan (0%)

Magenta (78%)

Yellow (29%)

Black (6%)



Cyan (6%)

Magenta (79%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0311, 23.7615, 39.8018 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 44.0311, 23.7615, 39.8018 by changing the saturation by 10% instead.



■ 44.0311, 23.7615,  
39.8018

■ 44.0311, 23.7615,  
39.8018

353.6852,  
271.6125, 360.8147

■ 30.8930, 15.1568,  
27.0714

■ 80.5106, 49.6407,  
76.0954

■ 20.6688, 8.9295,  
17.3940

■ 104.5827, 67.6840,  
100.4957

■ 12.9932, 4.6952,  
10.3509

■ 133.0301, 89.6423,  
129.6231

■ 7.5008, 2.0696,  
5.5236

■ 166.2183,  
115.9000, 163.8960

■ 3.8263, 0.6474,  
2.4936

■ 204.5125,  
146.8415, 203.7331

■ 1.6044, 0.0000,  
0.8367

248.2782,

■ 0.3953, 0.0000,

182.8511, 249.5529

0.0000

297.8806,  
224.3133, 301.7739

■ 0.0000, 0.0000,  
0.0000

■ 44.0311, 23.7615,  
39.8018

■ 44.0311, 23.7615,  
39.8018

■ 42.3844, 21.7733,  
35.2288

■ 46.2799, 26.8606,  
44.8625

■ 41.2399, 20.6986,  
31.1040

■ 49.2009, 31.2094,  
50.4394

■ 41.0253, 20.5222,  
30.2526

■ 52.8563, 36.9305,  
56.5587

■ 57.3003, 44.1305,  
63.2438

■ 62.5817, 52.9055,  
70.5160

68.7455, 63.3437,  
78.3954

75.8331, 75.5263,  
86.9006

83.8832, 89.5294,  
96.0494

88.6053, 96.7702,  
104.4162

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.5786, 23.7615, 78.1063



44.0311, 23.7615, 39.8018



43.7659, 23.7615, 14.3778

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.0311, 23.7615, 39.8018



18.0994, 23.7615, 1.4554



12.5387, 23.7615, 80.9224

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.0311, 23.7615, 39.8018



35.9114, 63.9207, 29.1885

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.6528, 23.7615, 42.2767



44.0311, 23.7615, 39.8018



12.2271, 23.7615, 4.4164

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.0311, 23.7615, 39.8018



27.0328, 23.7615, 1.3849



9.5565, 23.7615, 15.6433



18.6532, 23.7615, 110.6339



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.0311, 23.7615, 39.8018



39.7650, 23.7615, 6.2231



9.5565, 23.7615, 15.6433



11.2401, 23.7615, 67.7127

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.0318, 23.7628, 39.8022



75.7564, 66.7769, 85.9317



24.7682, 12.8595, 82.8382



15.6778, 13.3866, 17.6961



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.0318, 23.7628, 39.8022



48.3133, 24.4315, 38.1227



38.2388, 21.4456, 9.2964



16.1873, 15.9247, 18.5428



22.7372, 11.3673, 17.0645



1.9396, 0.9649, 1.6730



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.0318, 23.7628, 39.8022



48.3133, 24.4315, 38.1227



44.4989, 67.3557, 74.4092



16.1873, 15.9247, 18.5428



22.7372, 11.3673, 17.0645



1.9396, 0.9649, 1.6730



# Previews

## White Background



This preview shows how the XYZ color 44.0311, 23.7615, 39.8018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

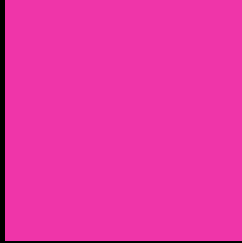
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.0311, 23.7615, 39.8018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

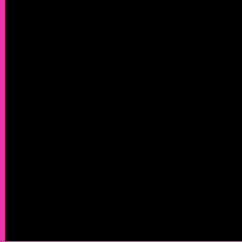
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.0311, 23.7615, 39.8018**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.0311, 23.7615, 39.8018.



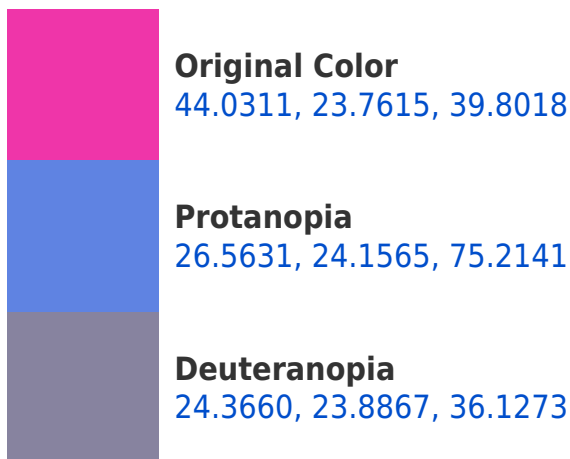
This preview shows how white text looks on a background with the XYZ color 44.0311, 23.7615,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

38.1126, 23.7168, 11.1634

# Trichromacy



## Original Color

44.0311, 23.7615, 39.8018



## Protanomaly

27.9023, 20.3113, 60.2075



## Deuteranomaly

28.6947, 21.2291, 37.2356



## Tritanomaly

39.6035, 23.3034, 18.9337

# Monochromacy



## Original Color

44.0311, 23.7615, 39.8018



## Achromatopsia

18.4984, 19.4618, 21.1939



## Achromatomaly

24.4519, 18.4128, 26.6914

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.0311, 23.7615, 39.8018 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 53, 169)` looks like.

```
.text, #text, p{  
    color:rgb(239, 53, 169)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 53, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 53, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 44.0311, 23.7615, 39.8018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 53, 169) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(239, 53, 169) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(239, 53, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 53, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 53, 169);  
box-shadow:4px 4px 4px 4px rgb(239, 53,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.0311, 23.7615, 39.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 53, 169) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239, 53,  
169) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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